

Drilling Log

Wall No	ma:	DD4	Start Da	ta:	7/24/2017
Driller:		Yellow Jacket	Eng/Geo	og:	Adam Arguello
		Drill Time Log			Lithologic Log
7/24/17		Set up on Well		Blow Count	Description
		Start Drilling	5'	3 11 24	dark brown clay and fine sand, v little moisture, 100% recovery
		Water hit 45'	10'	12 16 25	Tan clay, fine sand, v. little moisture, 100% recovery
		stop rig to stage materials, 65' drilled	15'	15 16 40	light tan fine sand, dry, 100% recovery
		Restart drilling	20'	10 15 45	light orange/tan fine sand, dry, 100% recovery
	14:45	Shale hit, 79.5'	25'	6 30 50 for 4	tan medium/fine sand, dry, 100% recovery
	15:05	Muck bail	30'		brown/orange sand, 1/4" gravel, v little moisture, 100% recovery
		Casing set, 40' of screen, 45' of blank casing	35'	10 20 19	reddish brown clay, damp, 100% recovery
		31 bags of sand installed to 35' bgl	40'	10 25 35	brown/orange clay, damp, 100% recovery
5/05/15		8 bags of benonite to 29' bgl	45'	13 19 22	brown sand, small amount of clay, wet, 100% recovery
7/25/17		15 bags of cement with bentonite additive	50'	5 16 37	brown clay, small amount of sand, wet 100% recovery
	9:30	cement pad and well vault installed	55'	4 12 30	brown/orange clay, wet, 100% recovery
			60'	2 2 16	brown clay, small amount of sand, wet 100% recovery
			65'	7 20 31	brown clay, small amount of sand, wet 100% recovery
			70'	1 1 2	1/4" gravel, sand and silt, wet, 100% recovery
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			80'	9 50 for 4	white and purple shale, wet 100% recovery
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